BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Electrical Division

Name of Work:-Detailed Estime for Special repairs & Providing Aerial Bunched and Street Lighting and automatic Timer controler to Major roads by using Tubular poles area in Ward No 04,05to11.

Ward No. 04 **Estimate No:-** **For R: 300000.00**

Sl No	SR Page & SL No	Description Of Work	Unit	Qty	Rate	Amount
1	1.1.1	Digging of Pits 1.8 mtr depth for errection of 9 to 10mtr Long Steel/RCC/PSC supports as per approved Drawing.Ordinary Soil	Nos	4	378.00	1512.00
2	2.1	Erection of steel supports 9.0 to 10.00 mtr long suchas 22.68 kg (50 lbs) Rail, 27.22 kg (60 Lbs) Rail IBeam of sizes 200x100mm, 175x90 mm, 125x100mm. Fabricates poles tubular poles in pits of 1.8 mtrDepth, Aligning, Refilling with soil and ramming asapproved drawing	Nos	4	304.00	1216.00
3	1.8.2	Pole concreting with CC 1:2:4 (without coping) f) 8mtrs support (400x400x1500mm)	Nos	4	982.00	3928.00
4	17.1	Any Dismantling work 90% of the corresponding erection charges(304x90%=273.6)	Nos	4	273.60	1094.40
5	27.1	Transportation using 7.5/10 Tons Lorry Rs. 23 per Kms subjected to a minimum of Rs. 1200/-per day (shifting of Panel boards & Poles)	Nos	3	1200.00	3600.00
6	16.28.3	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole .8Mtr and above street light pole.	Nos	4	700.00	2800.00
7	2/1.1.1	Supplying heavy gauge PVC conduit pipe .....dia .....mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.19/20mm dia 2mm thick	Mtrs	75	54.00	4050.00
8	17/3.10	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	Mtrs	9	263.00	2367.00
9	46/6.13.A.1	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps 25kA.	Nos	19	4044.00	76836.00
10	50/6.41.1	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.200mmx200mmx98mm	Nos	19	2178.00	41382.00

11	56/7.6.3	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A.3 X 16 + 1 X 25 + 1 X 16 SQ.MM	Per Mtr	1000	117.00	117000.00
12	Bes SR	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	Per Mtr	1000	10.30	10300.00
13	2.09	2 Pin Cross Arm with pole clamp, bolt & nuts & washers for RCC Pole - MS	Nos	35	162.00	5670.00
14	53.15	Piercing Connector Suitable for 16 Sqmm - 95 Sqmm AB Cable - Street Light Connections	Nos	62	160.00	9920.00
15	53.23	Suspension Clamp Assembly16 to 70 Sqmm Bare Messenger(Exclusive of pole clamp and eye hook)	Nos	35	190.00	6650.00
16	53.19	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sqmm Bare Messenger(Exclusive of pole clamp and eye hook)	Nos	4	131.00	524.00
17	4.1	Fixing of 2 Pin cross arm with insulator and Braces fixing	Nos	35	96.00	3360.00
18	46.6	Erection of Suspension Clamp - 25 to 95 sqmm bare messenger	Nos	35	115.00	4025.00
19	46.12	Installation of Insulation piercing connector for main to street lightMain : 16-95sqmm, Tap : 1.5-10sqmm(EP95)	Nos	61	54.00	3294.00
20	46.10	Fixing of Universal Hook/Dead end clamp	Nos	4	115.00	460.00
		Mislenious				11.60
		Total Rs				**300000.00**

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) S.R.2014-15 , BESCOM SR and Approved Rates.

Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palil

EXECUTIVE ENGINEER (ELEC)
YELAHANKA DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 3.00 LAKHS
RUPEES THREE LAKHS ONLY
is accorded under DISIT UPGRADING STREET LIGHTING OF BANGALORE MAJOR ROADS
Registered as EE No. 12/2018-19 Subject to conditions contained in enclosed memo No. BBMP/EE/E(E)/42/AS/12/2018-19 Dt 25-09-2018

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 3.00 LAKHS
Rupees THREE LAKHS ONLY
Under DISIT UPGRADING STREET LIGHTING OF BANGALORE MAJOR
Registered as EE ( ) No. 12/2018-19
Subject to conditions contained in enclosed memo EE ( ) No. BBMP/EE/E(E)/42/AS/12
Dt. 25.09.2018 Estimate A/ Sanctioned
BBMP/EE/E(E)/42/TS/12/No. 2018-19
Dated 25.09.2018 Rs. 3.00 LAKHS

Executive Engineer